

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1.-41. (Cancelled)

42. (Currently amended) A method of ameliorating or preventing damage caused by cigarette smoke, comprising:

administering substance P or a analog thereof to a subject who has been or will be exposed to cigarette smoke, wherein the analog is selected from the group consisting of [Met-OH¹¹]-substance P, [Met-OMe¹¹]-substance P, [Nle¹¹]-substance P, [Pro⁹]-substance P, [Sar⁹]-substance P, [Tyr⁸]-substance P, [p-Cl-Phe^{7,8}]-substance P, and [Sar⁹, Met (O₂)¹¹]-substance P.

43. (Withdrawn) The method of claim 42 wherein the cigarette smoke is side-stream cigarette smoke.

44. (Previously presented) The method of claim 42 wherein the cigarette smoke is main-stream cigarette smoke.

45. (Previously presented) The method of claim 42 wherein the substance P or analog is administered at a concentration of 0.1 μ M to 10 μ M.

46. (Previously presented) The method of claim 42 wherein the substance P or analog is administered at a concentration of 0.5 μ M to 5 μ M.

47. (Withdrawn) The method of claim 42 wherein the substance P or analog is administered in an amount sufficient to prevent micronuclei formation in the subject's bone marrow cells.

48. (Withdrawn) The method of claim 42 wherein the substance P or analog is administered in an amount sufficient to prevent micronuclei formation in the subject's blood cells.

49. (Previously presented) The method of claim 42 wherein the substance P or analog is administered in an amount sufficient to increase dynamic lung compliance.

50. (Withdrawn) The method of claim 42 wherein the substance P or analog is administered in an amount sufficient to prevent damage to the basement membrane of endothelial cells of airways.

51. (Previously presented) The method of claim 42 wherein the substance P or analog is administered by inhalation.

52. (Previously presented) The method of claim 51 wherein the substance P or analog is administered by aerosol.

53. (Previously presented) The method of claim 51 wherein the substance P or analog is administered by nebulizer.

54. (Previously presented) The method of claim 51 wherein the substance P or analog is administered by the filter of a cigarette, cigar or other smoking product.

55. (Withdrawn) The method of claim 42 where in the substance P or analog is administered intravenously.

56. (Withdrawn) The method of claim 42 wherein the substance P or analog is administered transdermally.

57. (Withdrawn) The method of claim 42 wherein the substance P or analog is administered intramuscularly.

58. (Withdrawn) The method of claim 42 wherein the substance P or analog is administered intranasally.

59. (Withdrawn) The method of claim 42 wherein the substance P or analog is administered orally.

60. (Withdrawn) The method of claim 42 wherein the substance P or analog is administered buccally.

61. (Withdrawn) The method of claim 59 wherein the substance P or analog is administered via gum or lozenge.

62. (Withdrawn) The method of claim 42 wherein the damage caused by cigarette smoking is emphysema.

63. (Withdrawn) The method of claim 42 wherein the damage caused by cigarette smoke is chronic obstructive pulmonary disease.

64. (Withdrawn) The method of claim 42 wherein the damage caused by cigarette smoke is coughing.

65. (Withdrawn) The method of claim 42 wherein the damage caused by cigarette smoke is cancer.

66. (Withdrawn) The method of claim 64 wherein the cancer is lung cancer.

67. (Withdrawn) The method of claim 42 wherein the damage caused by cigarette smoke is cilia loss in airway epithelium.

68. (Currently amended) A method of treating damage caused by cigarette smoke comprising: administering to a subject in need thereof an effective amount of Substance P or an analog thereof, wherein the analog is selected from the group consisting of [Met-OH¹¹]-substance P, [Met-OMe¹¹]-substance P, [Nle¹¹]-substance P, [Pro⁹]-substance P, [Sar⁹]-substance P, [Tyr⁸]-substance P, [p-Cl-Phe^{7,8}]-substance P, and [Sar⁹, Met (O₂)¹¹]-substance P.

69. (Cancelled)

70. (Withdrawn, currently amended) The method of claim 67 68 wherein the cigarette smoke is side-stream cigarette smoke.

71. (Currently amended) The method of claim 67 68 wherein the cigarette smoke is main-stream cigarette smoke.

72. (Currently amended) The method of claim 67 68 wherein the substance P or analog is administered at a concentration of 0.1 μ M to 10 μ M.

73. (Currently amended) The method of claim 67 68 wherein the substance P or analog is administered at a concentration of 0.5 μ M to 5 μ M.

74. (Withdrawn, currently amended) The method of claim 67 68 wherein the substance P or analog is administered in an amount sufficient to prevent micronuclei formation in the subject's bone marrow cells.

75. (Withdrawn, currently amended) The method of claim 67 68 wherein the substance P or analog is administered in an amount sufficient to prevent micronuclei formation in the subject's blood cells.

76. (Currently amended) The method of claim 67 68 wherein the substance P or analog is administered in an amount sufficient to increase dynamic lung compliance.

77. (Withdrawn, currently amended) The method of claim 67 68 wherein the substance P or analog is administered in an amount sufficient to prevent damage or remedy damage to basement membrane of endothelial cells of airways.

78. (Currently amended) The method of claim 67 68 wherein the substance P or analog is administered by inhalation.

79. (Currently amended) The method of claim 67 68 wherein the substance P or analog is administered by aerosol.

80. (Currently amended) The method of claim 67 68 wherein the substance P or analog is administered by nebulizer.

81. (Currently amended) The method of claim ~~67~~ 68 wherein the substance P or analog is administered by the filter of a cigarette, cigar or other smoking product.
82. (Withdrawn, currently amended) The method of claim ~~67~~ 68 wherein the substance P or analog is administered intravenously.
83. (Withdrawn, currently amended) The method of claim ~~67~~ 68 wherein the substance P or analog is administered transdermally.
84. (Withdrawn, currently amended) The method of claim ~~67~~ 68 wherein the substance P or analog is administered intramuscularly.
85. (Withdrawn, currently amended) The method of claim ~~67~~ 68 wherein the substance P or analog is administered intranasally.
86. (Withdrawn, currently amended) The method of claim ~~67~~ 68 wherein the substance P or analog is administered orally.
87. (Withdrawn, currently amended) The method of claim ~~67~~ 68 wherein the substance P or analog is administered buccally.
88. (Withdrawn, currently amended) The method of claim ~~67~~ 68 wherein the damage caused by cigarette smoking is emphysema.
89. (Withdrawn, currently amended) The method of claim ~~67~~ 68 wherein the damage caused by cigarette smoke is chronic obstructive pulmonary disease.
90. (Withdrawn, currently amended) The method of claim ~~67~~ 68 wherein the damage caused by cigarette smoke is coughing.
91. (Withdrawn, currently amended) The method of claim ~~67~~ 68 wherein the damage caused by cigarette smoke is cancer.
92. (Withdrawn, currently amended) The method of claim ~~90~~ 91 wherein the cancer is lung cancer.

93. (Withdrawn, currently amended) The method of claim ~~67~~ 68 wherein the damage caused by cigarette smoke is cilia loss in airway epithelium.

94. – 100.(Cancelled)